

What is claimed is:

1. A whirlpool bath jet assembly having a water supply pipe inlet (1) with a jet body (7) having a directional eyeball nozzle flow control valve assembly (4) arranged in the jet body (7), characterized in that:

the jet body (7) is formed as a single integral body having a drainage path or channel (8) recessed below the directional eyeball nozzle flow control valve assembly (4) and disposed so as to be in communication with at least one drainage path (16) in a wall fitting (11), for draining excess water through the at least one drainage path (16) in the wall fitting (11).

2. A whirlpool bath jet assembly according to claim 1, wherein the face plate (13) is secured to the jet body (7) by threaded features (14) and the multiple drainage paths (16) are circumferentially arranged around the periphery of the wall fitting (11).

3. A whirlpool bath jet assembly according to claim 1, wherein the water supply pipe inlet (1) has a substantially slanted wall (28) leading to the jet body (7) so as to allow draining the excess water.

4. A whirlpool bath jet assembly according to claim 1, wherein the water supply pipe inlet (1) is arranged above a water passage (27) of the directional eyeball nozzle flow control valve assembly (4).

5. A whirlpool bath jet assembly according to claim 4, wherein the water passage (27) is substantially slanted so as to allow draining the excess water.

6. A whirlpool bath jet assembly according to claim 1, wherein the whirlpool bath jet assembly (1) has a wall fitting (11) for securing the jet body (7) against a bathtub wall (19).

5 7. A whirlpool bath jet assembly according to claim 1, wherein the directional eyeball nozzle flow control valve assembly (4) has an articulating nozzle ball (5) having a directional adjustable valve (9) arranged therein.

10 8. A whirlpool bath jet assembly according to claim 7, wherein the articulating nozzle ball (5) has a circumferential slot (10a) for receiving multiple snap fit features (10) of the directional adjustable valve (9).

15 9. A whirlpool bath jet assembly according to claim 7, wherein the articulating nozzle ball (5) has two corresponding pivot arms (17) for residing in two channels (18) of the jet body (7) for preventing the articulating nozzle ball (5) from rotating about a directional flow control axis of the directional eyeball nozzle flow control valve assembly (4) during flow control valve actuation.

20 10. A whirlpool bath jet assembly according to claim 1, wherein the water supply pipe inlet (1) has an air supply nozzle (2 2') arranged therein.

25 11. A whirlpool bath jet assembly according to claim 10, wherein the water supply pipe inlet (1) and the air supply nozzle (2 2') provide water and air respectively to a mixing chamber (3) of the directional eyeball nozzle flow control valve assembly (4).

12. A whirlpool bath jet assembly according to claim 10, wherein the air supply nozzle (2) is a stacked air supply nozzle with a pipe socket (25) for a "series" style of air connection.

13. A whirlpool bath jet assembly according to claim 10, wherein the air supply nozzle (2') is a manifold air supply nozzle with a barbed fitting (26) for receiving a flexible tube attachment for a "parallel" style of air connection.

5 14. A whirlpool bath jet assembly according to claim 10, wherein the water supply pipe inlet (1) and the air supply nozzle (2 2') have corresponding snap features (23) to positionally retain the air supply nozzle (2 2') in the water supply pipe inlet (1).

10 15. A whirlpool bath jet assembly according to claim 14, wherein the water supply pipe inlet (1) and the air supply nozzle (2 2') also have corresponding indexing features (24) indexed to positionally locate the air supply nozzle (2 2') in relation to the directional eyeball nozzle flow control valve assembly (4).

15 16. A method by which a whirlpool bath jet assembly having a water supply pipe inlet (1) with a jet body (7) and having a directional eyeball nozzle flow control valve assembly (4) arranged in the jet body (7), is provided so as to be able to drain retained water, characterized by:

20 providing the jet body (7) formed as a single integral body having a drainage path or channel (8) recessed below the directional eyeball nozzle flow control valve assembly (4) and disposed so as to be in communication with at least one drainage path (16) in a wall fitting (11);

25 thereby making possible draining excess water from the whirlpool bath jet assembly through the at least one drainage path (16) in the wall fitting (11).